



## Advanced Calculus

Math 433T– Fall 2019

**Textbook:** I will follow the *Analysis 1* course notes by Monika Winklmeier, professor in Bogotá. The notes are available for free at her website, <https://matematicas.uniandes.edu.co/~mwinklme/lecturenotes.php>. If you want a more formal book for further reading, I recommend *Introduction to Real Analysis*, by Bartle and Sherbert.

**Content:** The course will be on chapters 1 to 6 of Winklmeier's book.

### Grading policy:

- Two midterms (equally weighted), one final (which weighs twice). The final is comprehensive. Makeups will be given only in case of documented medical excuse. Students are expected to keep track of what we covered in class: don't ask for study-guides the day before, that's like signaling to me that you never paid attention.
- Attendance, class participation and homework will play an important role in determining final grades, especially in borderline cases. That said, if you never come to class or hand in homework, and ace all three tests, you'll get an A+. (So far it never happened, but you might be the first one.)
- Weekly homework will be assigned in class (not 'on Canelink' or 'on a website'; ask a classmate if you weren't present) and collected on Thursdays. Late homeworks aren't accepted. All pages should be stapled together.

### General rules:

- Cell phones and computers must be put away during class. As I said, attendance is not compulsory, so if you have something more important going on, feel free to stay out and I would completely understand.
- Questions and feedback are always welcome.
- Showing up at office hours is not compulsory, but recommended. It is more convenient if you come at the first doubt. Showing up by the dozen the day before the final, will only increase your stress.

With this, I wish you a great fall semester here at The U!

Bruno Benedetti  
Assistant Professor